two bonding leads. One bonding lead(147) is directly bonded v connected with the edges of bonding lead(147). The couple bo part is molded using an encapsulant(170) after bonding the bor KR 200105 bonding pads(112), and the other additional bonding lead(148) expose a couple bonding part(142). The couple bonding part(1 solder ball(160), and a window(132) is built in the beam leads( A(5-J1B, 12-E7C) L(4-C17A, 4-C20A, 4-F2) ead(147) on the bonding pads(112). 의 (1ppDwgNo.1/10) 150<sup>₹</sup>130-54-120 \*KR 2001054744-A SMSU 1999.12.08 Fine pitch ball grid array package including beam lead with 1999.12.08 1999-055695(+1999KR-055695) (2001.07.02) H01L 23/02 An FBGA(Fine pitch Ball Grid Array) package(200) is composed semiconductor chip(110), and the carbon polymer(120) is doped. The ape(150) consists of a polyimide film(130) and beam leads(140). An FBGA(150) tape is attached on the carbon polymer(120). The FBGA An FBGA (Fine pitch Ball Grid Array) package including beam lead with containing couple bonding part id provided to prevent open aperture (134) is made in the polyimide film (130) for loading a badness such as electrical disconnection due to a damage of a beam solder ball. Bonding pads(112) are formed on the active surface of FBGA(150), and an external connection terminal(160) such as a of a semiconductor chip(110), a carbon polymer(120), a tape for CHOIG W, SONG Y H SAMSUNG ELECTRONICS CO LTD containing couple bonding part A85 L03 DETAILED DESCRIPTION C2002-042181 2002-136772/18 Addnl. Data: NOVELTY ead.

DPM: 03-130112, Page 1 of 1, Tue Apr 8 10:08:11, VIEWED MARKED Search Title: sq200200130-3 User: cpadee - EVA DE KOOL, S3.87